

Service Manual

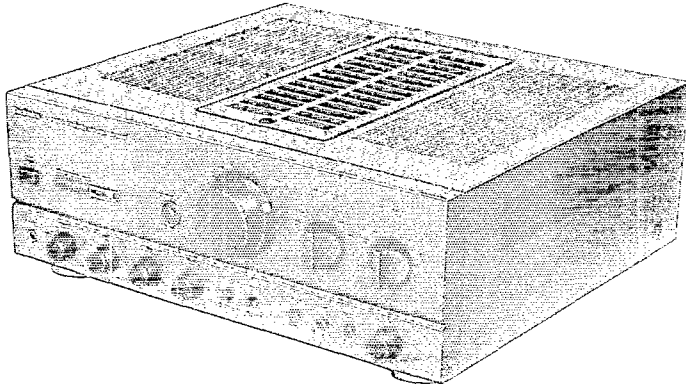
Stereo Integrated Amplifier

Amplifier

SU-VX920

Colour

(K) Black Type



Areas

Suffix for Model No.	Area	Colour
(EB)	Great Britain	(K)
(EG)	Europe	
(GN)	Oceania	

SPECIFICATIONS

(DIN 45 500)

■ MAIN AMP. SECTION

(POWER AMP. DIRECT input)

20 Hz~20 kHz continuous power output
both channels driven: 2×110 W (8Ω)

1 kHz continuous power output
both channels driven (THD: 1%): 2×130 W (8Ω)
2×180 W (4Ω)

63 Hz~12.5 kHz continuous power output
both channels driven (THD: 0.7%): 2×120 W (8Ω)
2×160 W (4Ω)

Total harmonic distortion
rated power at 20 Hz~20 kHz: 0.007% (8Ω)
half power at 20 Hz~20 kHz: 0.005% (8Ω)
half power at 1 kHz: 0.0009% (8Ω)
0.002% (4Ω)

Intermodulation distortion (50 Hz: 7 kHz=4:1, SMPTE)
rated power: 0.007% (8Ω)

Residual hum and noise: 0.2 mV
Damping factor: 80 (8Ω)
40 (4Ω)

Headphones output level/Impedance: 635 mV/330Ω

Load impedance
A or B, BI-WIRING: 4~16Ω
A and B: 8~16Ω

■ PRE AMP. SECTION

Input sensitivity/Impedance
PHONO MM: 2.5 mV/47 kΩ
MC: 250 μV/220Ω

TUNER, CD, AUX, TAPE 1, TAPE 2/DAT: 150 mV/22 kΩ

ADAPTOR: 150 mV/22 kΩ

POWER AMP. DIRECT: 1 V/18 kΩ

Phono maximum input voltage (1 kHz, RMS)

MM: 170 mV

MC: 15 mV

S/N (Rated power, 4Ω)

PHONO MM: 79 dB (86 dB, IHF '66)

MC: 68 dB (68 dB, IHF '66)

TUNER, CD, AUX, TAPE 1, TAPE 2/DAT:

97 dB (100 dB, IHF '66)

ADAPTOR: 97 dB (100 dB, IHF '66)

POWER AMP. DIRECT: 106 dB (115 dB, IHF '66)

S/N at -26 dB power (4Ω)

PHONO MM: 77 dB

MC: 67 dB

TUNER, CD, AUX, TAPE 1, TAPE 2/DAT: 84 dB

ADAPTOR: 84 dB

S/N at 50 mW power (4Ω)

PHONO MM: 75 dB

MC: 67 dB

TUNER, CD, AUX, TAPE 1, TAPE 2/DAT: 78 dB

ADAPTOR: 78 dB

Frequency response

PHONO MM: RIAA standard curve ±0.8 dB
(30 Hz~15 kHz)

TUNER, CD, AUX, TAPE 1, TAPE 2/DAT:

3 Hz~100 kHz (+0, -3 dB)

+0 dB, -0.2 dB (20 Hz~20 kHz)

ADAPTOR: 3 Hz~100 kHz (+0, -3 dB)

+0 dB, -0.2 dB (20 Hz~20 kHz)

POWER AMP. DIRECT: 3 Hz~120 kHz (+0, -3 dB)

+0 dB, -0.2 dB (20 Hz~20 kHz)

Technics

Tone controls

BASS:	50 Hz, +10~-10 dB
TREBLE:	20 kHz, +10~-10 dB
Muting:	-20 dB
Subsonic filter:	20 Hz, -12 dB/oct
Loudness control (volume at -30 dB):	50 Hz, +9 dB
Output voltage	
TAPE 1, TAPE 2/DAT REC OUT:	150 mV
Channel balance, (AUX 250 Hz~6.3 kHz):	±1 dB
Channel separation (AUX 1 kHz):	50 dB

■ GENERAL

Power consumption:	440 W
Power supply:	AC 50 Hz/60 Hz, 230/240 V
Dimensions (W×H×D):	430×158×429 mm
Weight:	16.5 kg

Notes:

1. Specifications are subject to change without notice.
2. Weight and dimensions are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

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■ BEFORE REPAIR AND ADJUSTMENT

- (1) Turn off the power supply. Using a 10Ω, 10 W resistor, shortcircuit both ends of power supply capacitors (C601, C602) in order to discharge the voltage.
 - (2) Before turning on the power switch of the unit.
 - A. Connect the voltage controller to the primary side.
 - B. Connect the AC ampere meter to the primary side or connect the DC voltage meter to the "±B" circuit of the secondary side.
 - C. Turn the VR of ICQ (VR451, VR452, VR501 and VR502) to minimum (counterclockwise).
 - D. After setting the output to zero of the voltage controller, turn on the power switch of the unit.
And increase the output of voltage controller gradually.
Then, check carefully whether the current value of primary side become more than following value or whether the DC voltage of secondary side is increasing slowly.
 - E. If the value of current is increasing unusually or the DC voltage is not increasing, lower the output level of voltage controller immediately.
- The current value of the primary side at no signal. (Confirm the power supply voltage of each area and provided voltage of the unit.)

Power supply voltage		AC 230 V	AC 240 V
Consumed current	50 Hz	150~450 mA	140~430 mA
	60 Hz		

■ PROTECTION CIRCUITRY

The protection circuitry of the amplifier may have operated if either of the following conditions is noticed:

- No sound is heard when the power is turned on.
- Sound stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

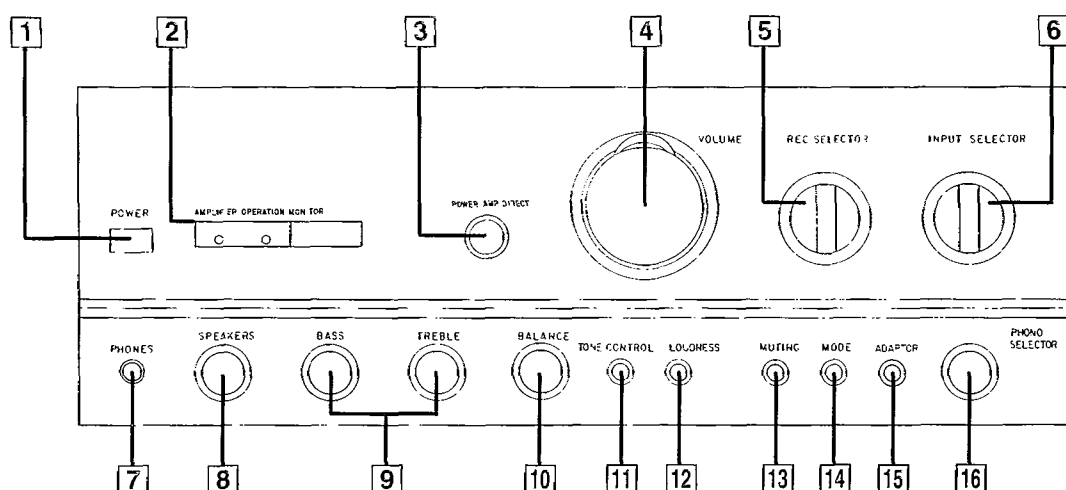
If this occurs, follow the procedure outlined below:

1. Turn off the power.
2. Determine the cause of the problem and correct it.
3. Turn on the power once again.

Note:

When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

■ LOCATION OF CONTROLS



1 Power switch (POWER)

2 Operation indicators (AMPLIFIER OPERATION MONITOR)

These indicators illuminate to indicate the operating condition of this unit.

VOLTAGE CONTROL:

When the power is switched ON, this indicator illuminates when the unit is in the operating condition.

CURRENT DRIVE:

When the power is switched ON, this indicator illuminates after about 4 seconds when the unit is in the operating condition.

If an abnormal condition in the circuitry is detected, such as DC voltage appearing in the output, or a short-circuit of the positive (+) and negative (-) wires from the speaker terminals, the protection circuit functions and this indicator will not illuminate.

3 Power amplifier direct switch (POWER AMP DIRECT)

This switch is used to listen to the sound from a component connected to the "POWER AMP DIRECT" terminals.

When this switch is pressed inward to the "ON" position, a superior level of tone quality can be obtained, because the signals from the component connected to the "POWER AMP DIRECT" terminals are sent directly to the volume control and power amplifier section of this unit. The tone control circuit, balance control, loudness switch, muting switch and mode selector are bypassed.

4 Volume control/indicator (VOLUME)

There are two types of volume scale indications: one for when or the power amplifier direct switch is OFF, and one for when it is ON (Indicator will illuminate.)

5 Recording selector (REC SELECTOR)

This selector is used to select the sound source to be recorded by the connected tape deck 1 and/or tape deck 2 (or DAT).

6 Input selector (INPUT SELECTOR)

This selector is used to select the sound source to be heard, such as a disc, radio broadcast, etc.

7 Headphones jack (PHONES)

8 Speaker selector (SPEAKERS)

This selector is used to select the speakers to be used.

9 Tone controls (BASS/TREBLE)

The bass control is used to adjust the low-frequency sound range, and the treble control is used to adjust the high-frequency sound range.

10 Balance control (BALANCE)

This control is used to adjust the left/right volume balance.

11 Tone control switch (TONE CONTROL)

This switch is used to set the tone control circuit (bass, treble) to ON or DEFEAT.

12 Loudness switch (LOUDNESS)

This switch is used when listening to music at a low volume level. Auditory perception of sound in the low frequency range falls off at low volume, but when the switch is set to the "ON" position, this deficiency is compensated for, so that the full impact of the musical performance can be enjoyed.

13 Muting switch (MUTING)

This switch is used to temporarily reduce the volume level (approx. 1/10).

The effect activates when setting this switch to the "ON" position.

14 Mode selector (MODE)

This selector is used to select stereo or monaural operation.

15 Adaptor switch (ADAPTOR)

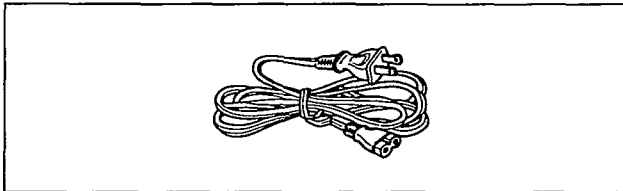
This switch is used when enjoying music by changing the sound quality with the graphic equalizer, etc.

16 Phono cartridge selector (PHONO SELECTOR)

This selector should be set to the position which corresponds to the type of cartridge used on the turntable.

The "SUBSONIC" position is used to eliminate ultra-low-frequency noise such as motor "rumble" and unusual vibration of the woofer cone caused by a warped disc, etc.

ACCESSORY

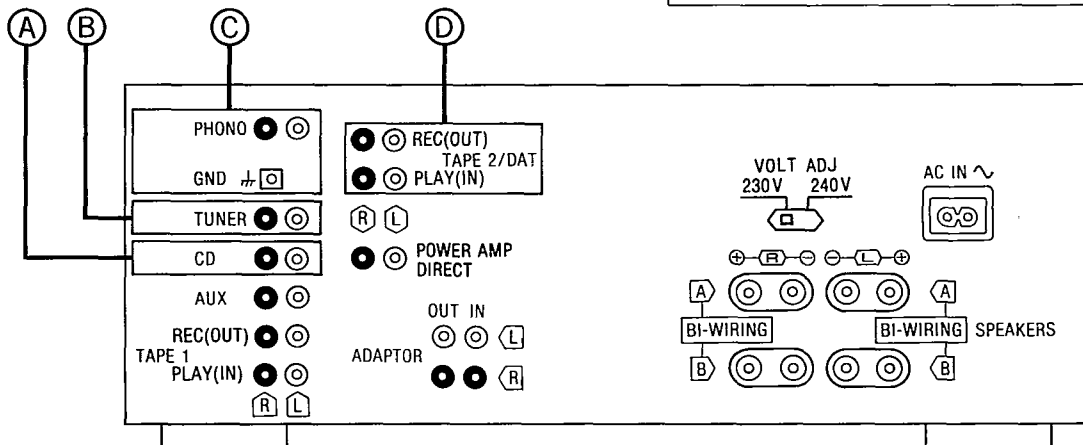
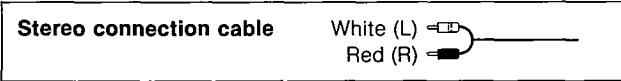


- AC power supply cords 1
 - <RJA0019-1K> For (EG) area.
 - <SJA193> For (EB) area.
 - <SJA173> For (GN) area.

CONNECTIONS

To connect to each terminals

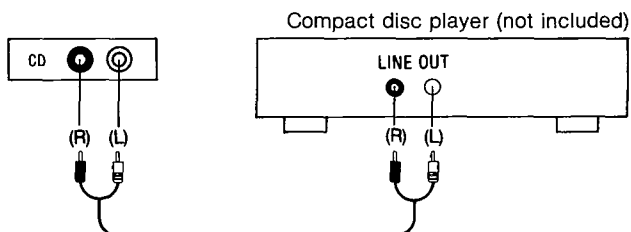
Make connections to each component in the system by using stereo connection cables (not included).



● Phono input capacitance is about 220 pF.

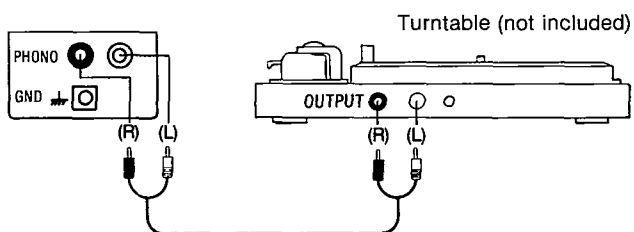
A "CD" terminals

Connect to a compact disc player.



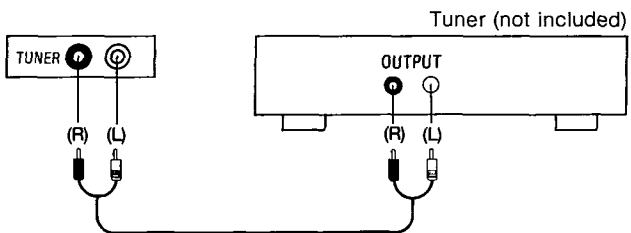
C "PHONO" terminals

Connect to a turntable.



B "TUNER" terminals

Connect to a tuner.

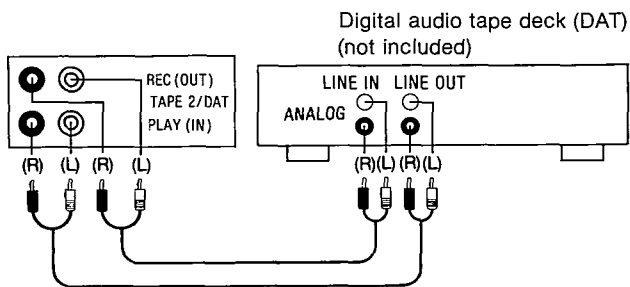


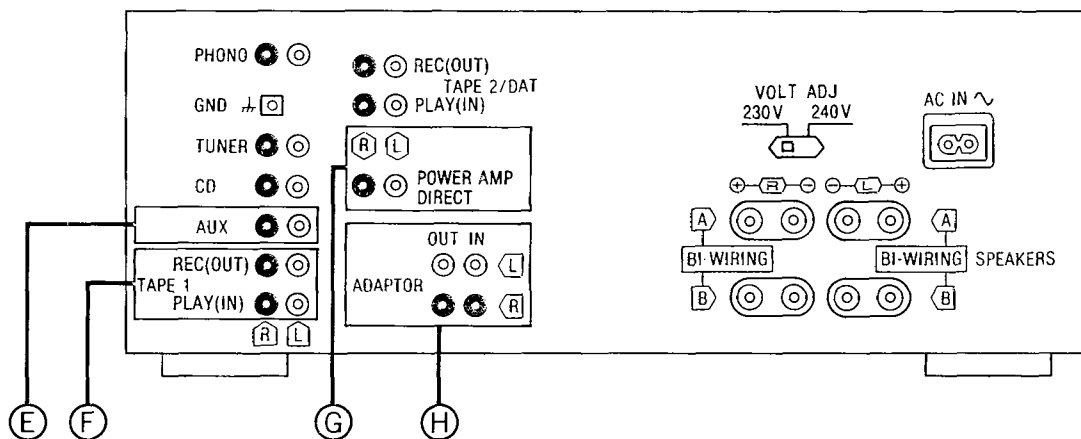
GND terminal

This terminal is for use with a turntable which has a ground wire.

D "TAPE 2/DAT" terminals

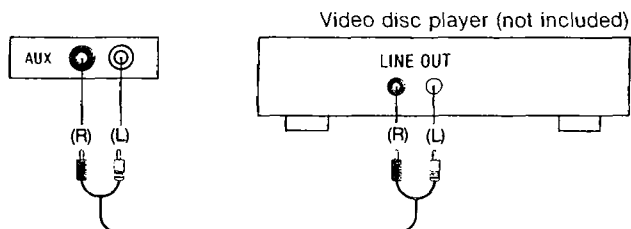
Connect to a second tape deck or a digital audio tape deck (DAT).





E "AUX" terminals

Connect to a component such as a video disc player (audio only connectable), etc.

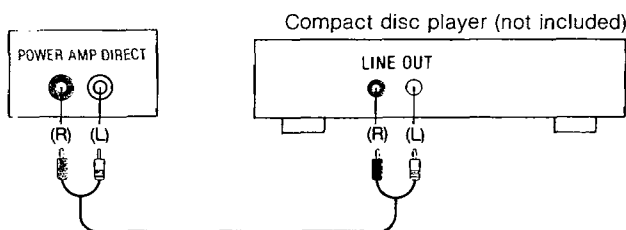


G "POWER AMP DIRECT" terminals

Connect to a compact disc player, a digital audio tape deck, or a D/A converter.

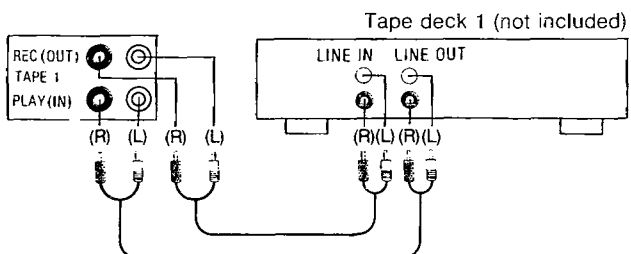
A superior level of tone quality can be obtained, because the signals from these terminals are sent directly to the volume control and power amplifier section of this unit.

The sounds from a component connected to these terminals cannot be recorded.



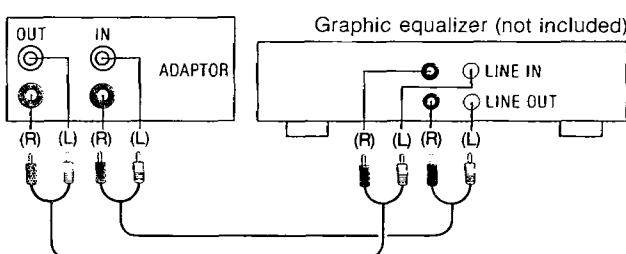
F "TAPE 1" terminals

Connect to a first tape deck.



H "ADAPTOR" terminals

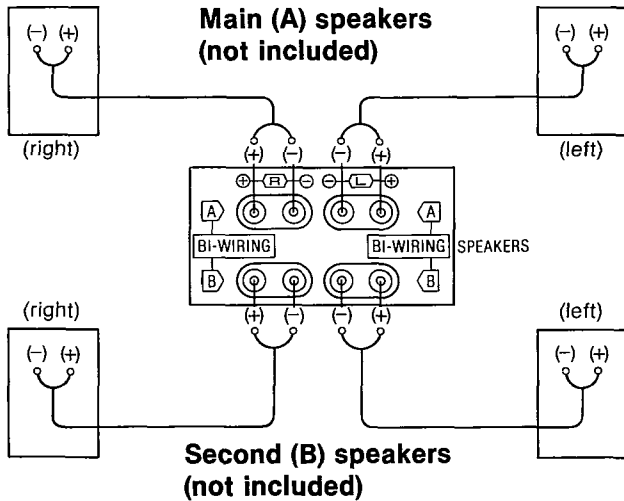
Connect to a graphic equalizer.



To connect to speakers

One pair of speakers can be connected to the "A" terminals of this unit and one pair to the "B" terminals, or only one pair of bi-wired speakers can be connected to all terminals.

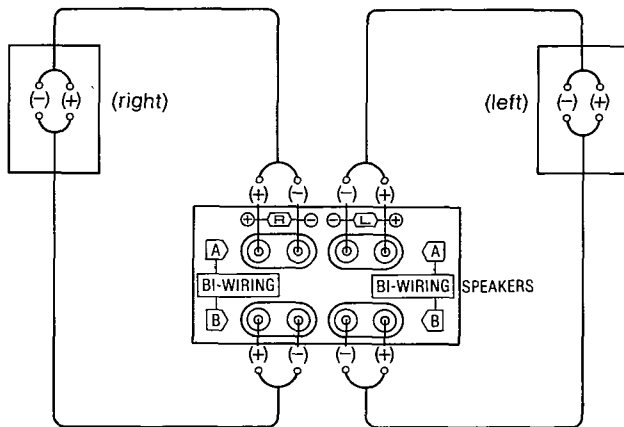
To connect main and/or second speakers



Load impedance

- When only the "A" or only the "B" terminals are used: 4–16 ohms
- When both the "A" and the "B" terminals are used simultaneously: 8–16 ohms

To connect bi-wired speakers



Note: Connect only bi-wired speakers in this way.

Load impedance

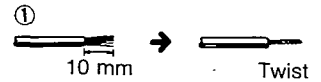
When bi-wired speakers are used: 4–16 ohms

Bi-wiring

The treble range and the bass range of the speakers are connected to the speaker terminals of the amplifier by using two speaker connection cords separately for each. As a result of making connections in this way, sound can be reproduced with much greater nuance and detail, with the feelings of air oscillation and deepness of sound provided by an input source that suppresses reciprocal band-range interference. (Refer to the operating instructions of the speakers.)

To connect cords to terminals

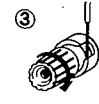
① Strip off the outer covering, and twist the center conductor.



② Turn completely to the left.



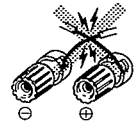
③ Insert the wire and turn completely to the right. Pull the cord to assure a proper connection.



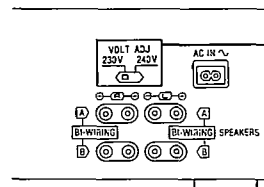
Note: Be sure to only connect positive (+) cords to positive (+) terminals, and negative (-) cords to negative (-) terminals.

Note:

To prevent damage to circuitry, never short-circuit the plus (+) and minus (-) speaker wires.



To set the power voltage



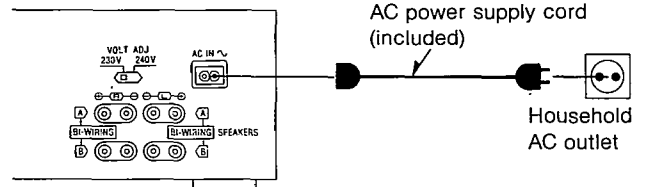
Set the voltage selector to the voltage setting for the area in which the unit will be used. [Use a minus (-) screwdriver]

Note:

Note that this unit will be seriously damaged if this setting is not made correctly.

To connect the AC power supply cord (included)

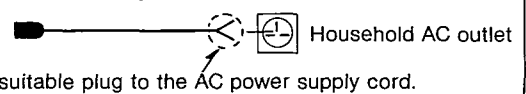
Connect the AC power supply cord (included) after all other cables and cords are connected.



Note:

The configuration of the AC power supply cord differs according to area.

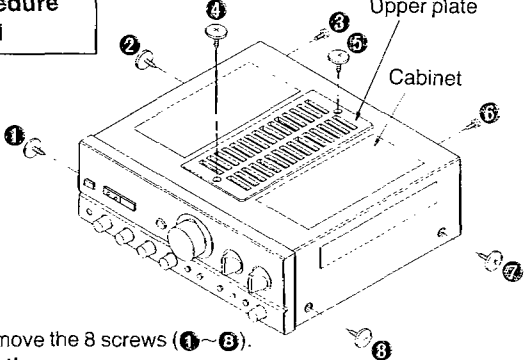
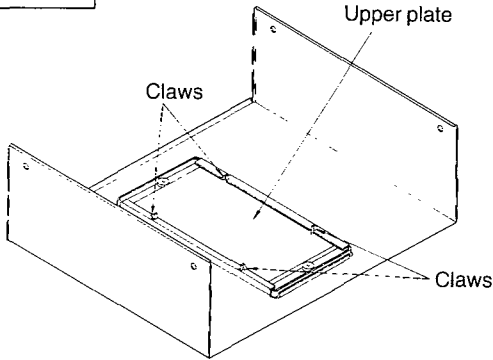
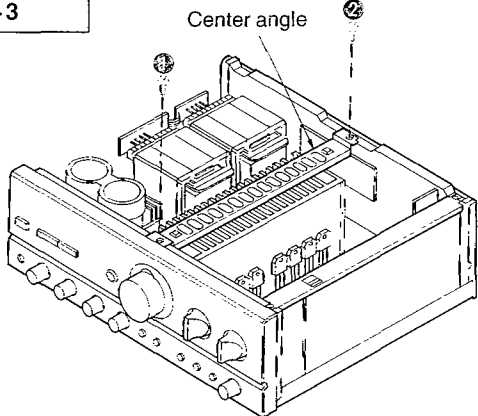
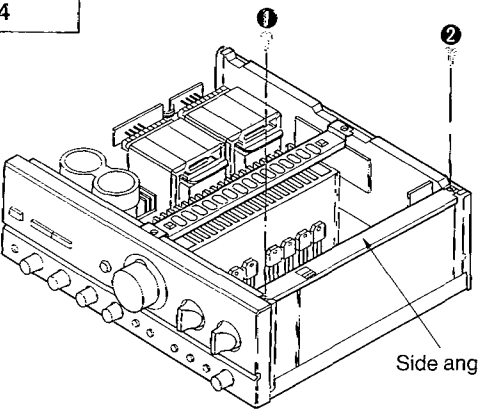
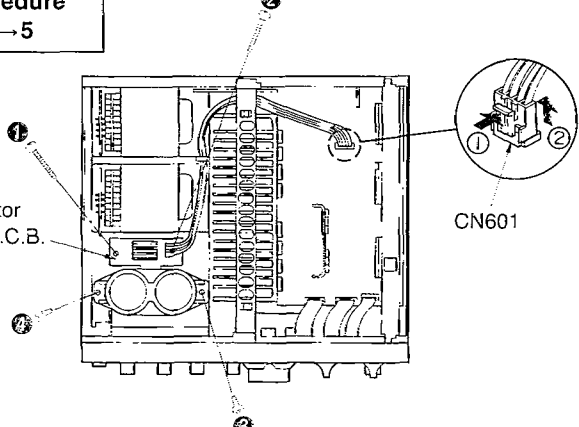
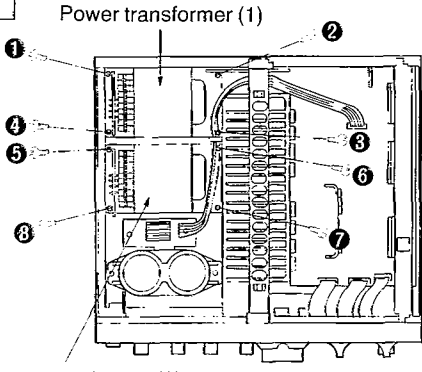
For United Kingdom



DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"

Some chassis components may have sharp edges. Be careful when disassembling and servicing.

<p>Ref. No. 1</p>	<p>Removal of the Cabinet</p>	<p>Ref. No. 2</p>	<p>Removal of the Upper Plate</p>
<p>Procedure 1</p>	 <p>•Remove the 8 screws (1~8). Attention: When removing the cabinet from the unit, please don't forget to remove the 2 screws (4, 5) of the upper plate. Unless you remove the 2 screws (4, 5), it may change shape of the cabinet.</p>	<p>Procedure 1→2</p>	 <p>•Release the 4 claws.</p>
<p>Ref. No. 3</p>	<p>Removal of the Center Angle</p>	<p>Ref. No. 4</p>	<p>Removal of the Side Angle</p>
<p>Procedure 1→3</p>	 <p>•Remove the 2 screws (1, 2).</p>	<p>Procedure 1→4</p>	 <p>•Remove the 2 screws (1, 2).</p>
<p>Ref. No. 5</p>	<p>Removal of the Capacitor Block P.C.B.</p>	<p>Ref. No. 6</p>	<p>Removal of the Power Transformer (1), (2)</p>
<p>Procedure 1→5</p>	 <p>1. Remove the 1 connector (CN601). 2. Remove the 4 screws (1~4).</p>	<p>Procedure 1→6</p>	 <p>•Remove the 8 screws (1~8).</p>

<p>Ref. No. 7</p>	<p>Removal of the Front Panel Ass'y</p>	<div data-bbox="183 280 742 672"> </div> <div data-bbox="901 224 1428 660"> </div> <div data-bbox="151 683 662 750"> <ol style="list-style-type: none"> 1. Remove the remote switch controller. 2. Remove the 3 flat cables (CN201, CN401, CN501). </div> <div data-bbox="853 683 1396 750"> <ol style="list-style-type: none"> 3. Remove the 4 screws (1~4). 4. Remove the front panel ass'y in the direction of arrow. </div> <div data-bbox="151 772 694 817"> <p>■ Removal of the remote switch controller</p> </div> <div data-bbox="151 817 359 840"> <p>●Remove the 4 claws.</p> </div> <div data-bbox="231 862 399 896"> <p>S101 (PHONO)</p> </div> <div data-bbox="231 896 574 1086"> </div> <div data-bbox="231 1108 518 1153"> <p>S102, S103 (REC, INPUT)</p> </div> <div data-bbox="231 1153 574 1355"> </div> <div data-bbox="686 1019 1101 1243"> </div> <div data-bbox="1141 996 1460 1254"> </div> <div data-bbox="853 772 1428 817"> <p>■ Replacing of the remote switch controller</p> </div> <div data-bbox="853 817 1508 896"> <ol style="list-style-type: none"> 1. Turn the selector knobs to the arrows. 2. Put the switch slider of switch to end and put in the remote switch controller. </div>	
<p>Ref. No. 8</p>	<p>Removal of the Power Switch/ Headphones Jack P.C.B.</p>	<p>Ref. No. 9</p>	<p>Removal of the Volume P.C.B.</p>
<p>Procedure 1→3→4→ 7→8</p>	<div data-bbox="327 1534 662 1836"> </div> <div data-bbox="151 1915 518 1982"> <ol style="list-style-type: none"> 1. Remove the 1 connector (CP502A). 2. Remove the 2 screws (1, 2). </div>		<div data-bbox="957 1500 1460 1915"> </div> <div data-bbox="853 1915 1125 2004"> <ol style="list-style-type: none"> 1. Pull out the volume knob. 2. Remove the nut. 3. Release the 1 claw. </div>

Ref. No. 10	Removal of the Remote Switch Controller
Procedure 1→3→4→ 7→10	<p>Remote switch controller (REC)</p> <p>Remote switch controller (INPUT)</p> <p>Remote switch controller (PHONO)</p> <p>A: 11 mm B: 16 mm C: longer than 22 mm</p> <p>Use a wrench of the dimensions shown in the illustration above to remove nuts.</p> <p>1. Pull out the 3 knobs. 2. Remove the 3 nuts.</p> <p>3. Remove the remote switch controller in the direction of arrow.</p>

Ref. No. 11	Removal of the Operation P.C.B.
Procedure 1→3→4→7→ 8→9→11	<p>Operation P.C.B.</p> <p>1. Pull out the 4 knobs. 2. Remove the 4 nuts.</p> <p>3. Remove the 8 screws (1-8). 4. Remove the operation P.C.B. in the direction of arrow.</p>

Ref. No. 12	Removal of the AC INLET/VOLT ADJ. P.C.B.
Procedure 1→3→12	<p>AC Inlet cover</p> <p>AC IN/VOLT ADJ. P.C.B.</p> <p>1. Remove the 1 screw (1). 2. Release the 2 claws of AC inlet cover.</p>

Ref. No. 13	Removal of the Rear Panel
Procedure 1→3→4→13	<p>Rear panel</p> <p>1. Remove the 16 screws (1-16). 2. Remove the rear panel in the direction of arrow.</p>

Ref. No. 14	Removal of the Input Select P.C.B.
Procedure 1→3→4→ 13→14	<p>Input select P.C.B.</p> <p>Remote switch controller</p> <p>1. Remove the remote switch controller. 2. Remove the input select P.C.B. in the direction of arrow.</p>

Ref. No. 16	Removal of the Main P.C.B.
Procedure 1→3→4→13→ 14→15→16	<p>Main P.C.B.</p> <p>1. Remove the 3-flat cables (CN201, CN401, CN501). 2. Remove the 1 connector (CN601). 3. Remove the 10 screws (1-10).</p>

Ref. No. 18	Check of the Main P.C.B.
Procedure 1→18	<p>Bottom plate</p> <p>Main P.C.B.</p> <p>1. Remove the 4 screws (1-4).</p> <p>2. When checking the soldered surface of the digital P.C.B. and replacing the parts, do as shown in the Fig. 2.</p>

Ref. No. 15	Removal of the Tape 2/DAT P.C.B.
Procedure 1→3→4→ 13→15	<p>Tape 2/DAT P.C.B.</p> <p>Remove the tape 2/DAT P.C.B. in the direction of arrow.</p>

Ref. No. 17	Removal of the Power Transistor
Procedure 1→17	<p>Power transistor</p> <p>1. Unsolder the power transistor. 2. Remove the 8 screws (1-8). When mounting the power transistor, apply silicon thermal compound (RFXK002) to the rear of the power transistor.</p>

Replacement of the Foot

- Remove the 4 heat melted posts on the chassis with a pair of nippers or similar tool.
- To replace the foot (RKA009-1) on the chassis, melt the 4 posts with a soldering iron.

Heat Melted Posts

Foot

Bottom Board

Soldering Iron

Foot (RKA009-1)

MEASUREMENTS AND ADJUSTMENTS

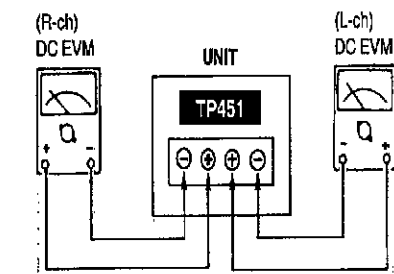
ADJUSTMENT

- Control positions and equipment used.
- Volume knob ∞ (Minimum)
 - Speaker selector off

AC and DC electronic voltmeter (EVM)

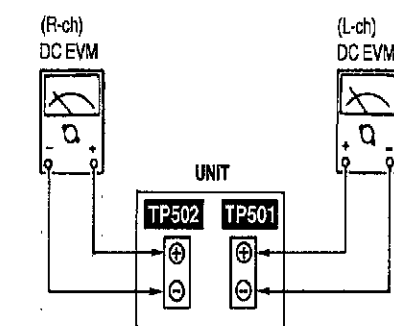
(1) VOLTAGE CONTROL (V) AMP. IDLING (ICQ) ADJUSTMENT

- Test equipment connection is shown in figure. (Connect the DC EVM on both channels.)
- Completely turn the (V) amp. adjusting volumes (VR451, VR452) counter-clockwise.
- Turn ON the set when it is cold, and about 8 sec. later, adjust VR451 and VR452 so that the voltage is 60 mV.

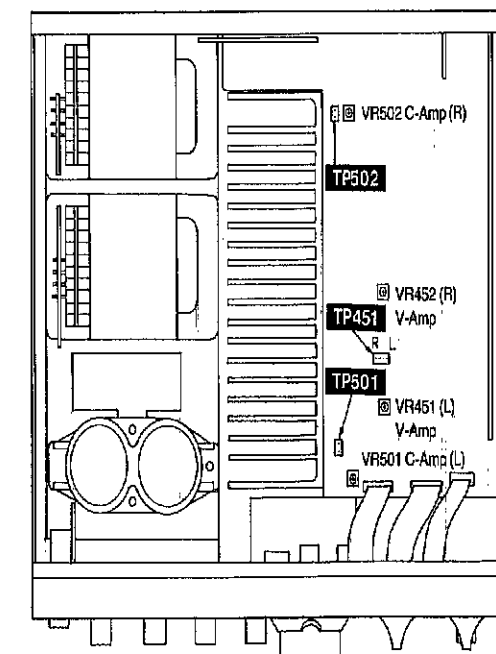


(2) CURRENT DRIVE (C) AMP. IDLING (ICQ) ADJUSTMENT

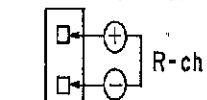
- Test equipment connection is shown in figure. (Connect the DC EVM on both channels.)
- Completely turn the (C) amp. adjusting volumes (VR501, VR502) counter-clockwise.
- Turn ON the set when it is cold, and the "VOLTAGE CONTROL (V) AMP. IDLING (ICQ) ADJUSTMENT" later, adjust VR501 and VR502 so that the voltage is 2 mV.



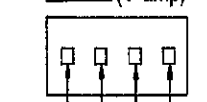
ADJUSTMENT POINTS



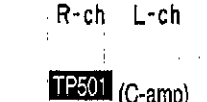
TP502 (C-amp)



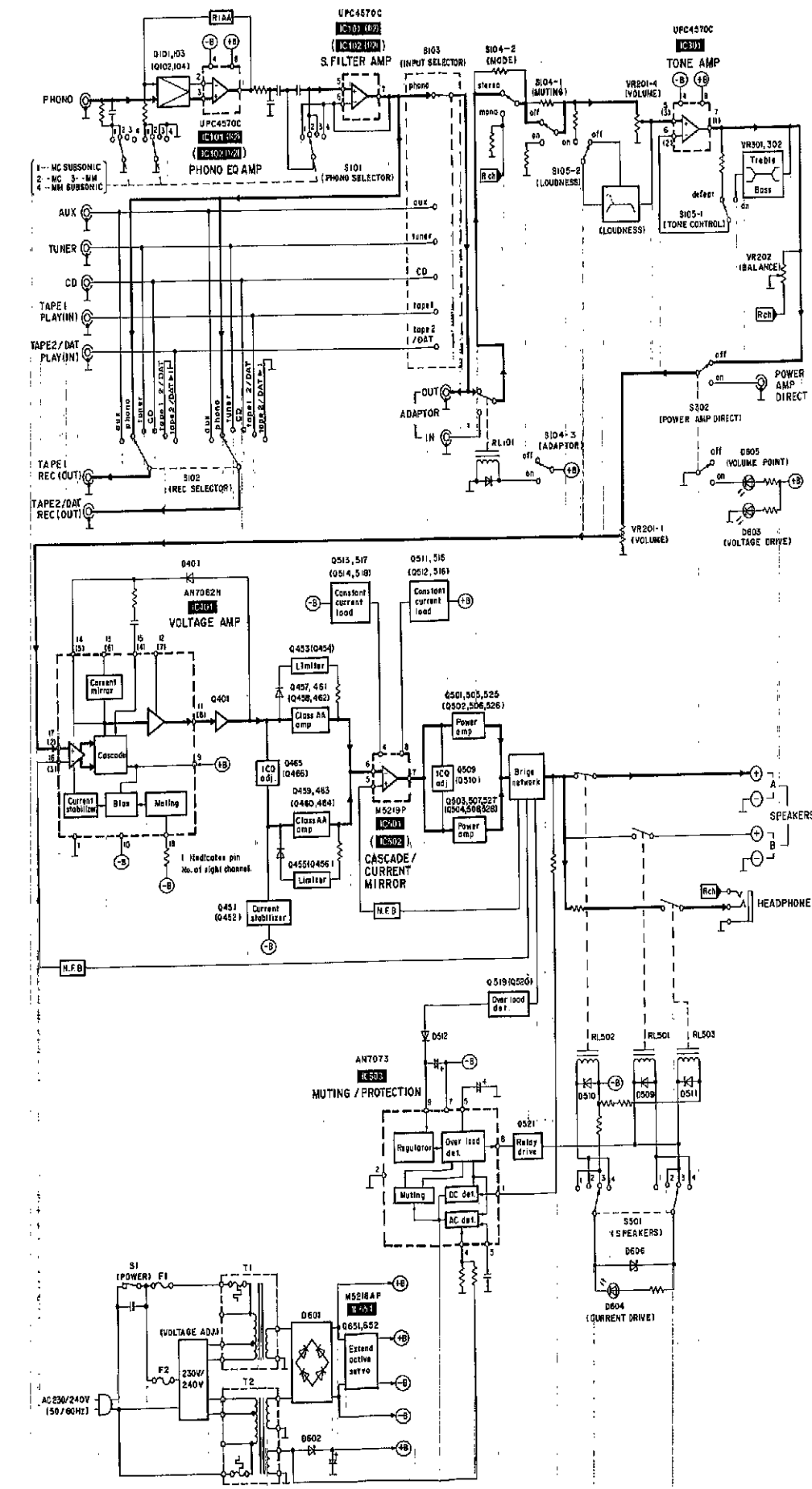
TP451 (V-amp)



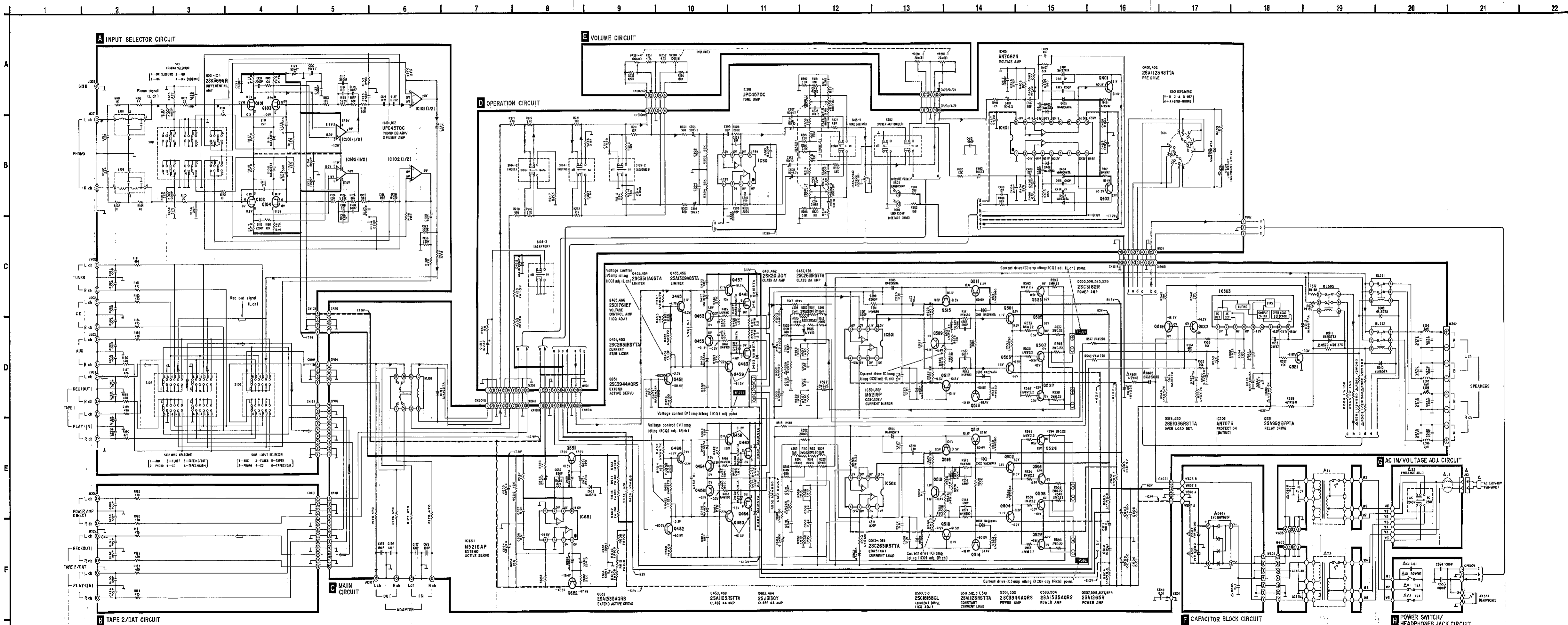
TP501 (C-amp)



BLOCK DIAGRAM



SCHEMATIC DIAGRAM (Parts list on pages 23-26.)



PRINTED CIRCUIT BOARDS (Parts list on pages 23-26.)

(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

- S1 : Power switch in "off" position.
 - S2 : Voltage selector switch in "240 V" position. (230 V/240 V)
 - S101 : Phono cartridge selector (PHONO SELECTOR) switch in "MC" position.
 - S102 : Recording output selector (REC SELECTOR) switch in "TAPE/DAT" position.
 - S103 : Input selector (INPUT SELECTOR) switch in "TAPE/DAT" position.
 - S104-1 : Muting (MUTING) switch in "off" position.
 - S104-2 : Mode (MODE) switch in "stereo" position.
 - S104-3 : Adaptor (ADAPTOR) switch in "off" position.
 - S105-1 : Tone control (TONE CONTROL) switch in "defeat" position.
 - S105-2 : Loudness (LOUDNESS) switch in "off" position.
 - S302 : Power amplifier direct (POWER AMP DIRECT) switch in "off" position.
 - S501 : Speaker selector (SPEAKERS) switch in "off" position.
- Positive voltage line.
 - - - Negative voltage line.
 ⇨ Phono signal line.
 ⇨ Recording output signal line.

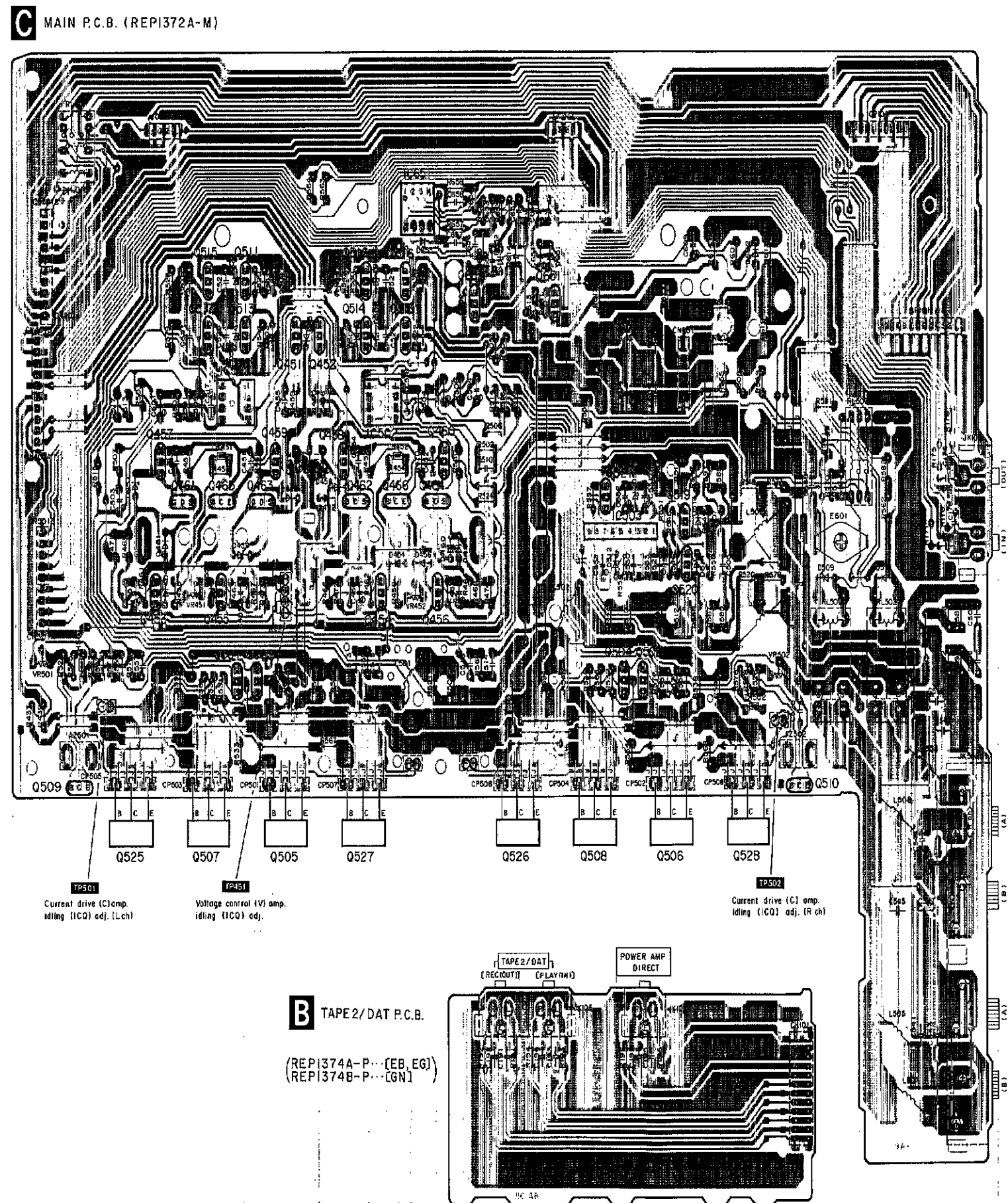
Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

Important safety notice: Components identified by a triangle mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

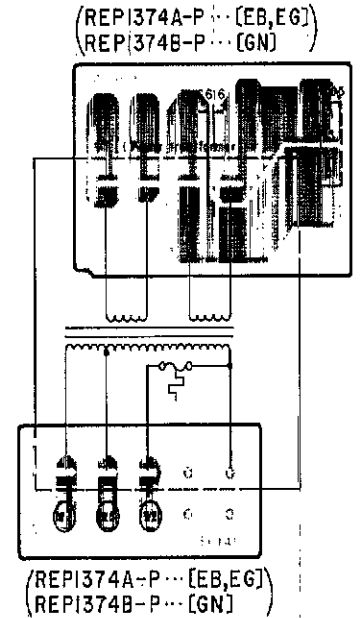
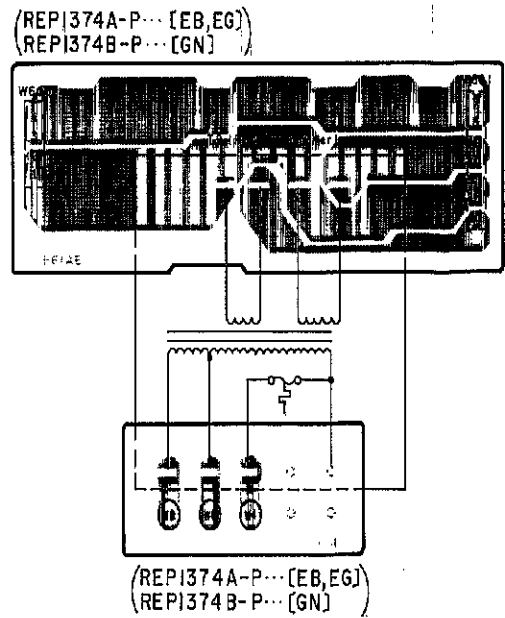
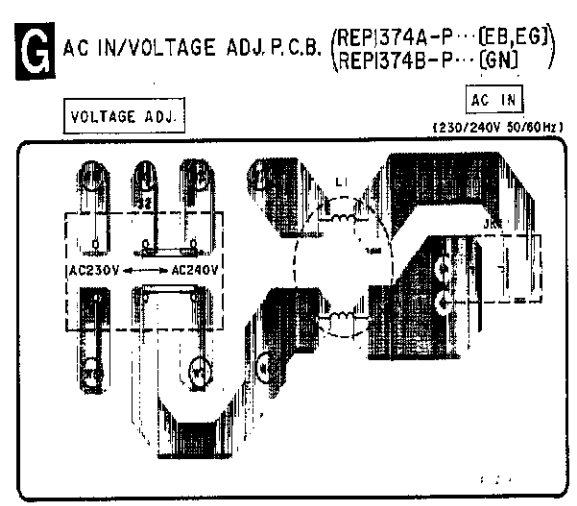
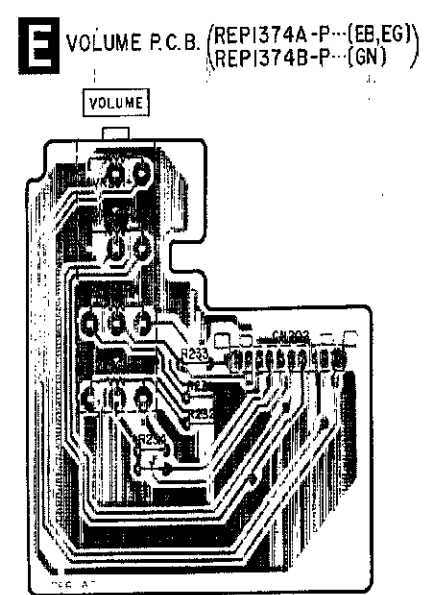
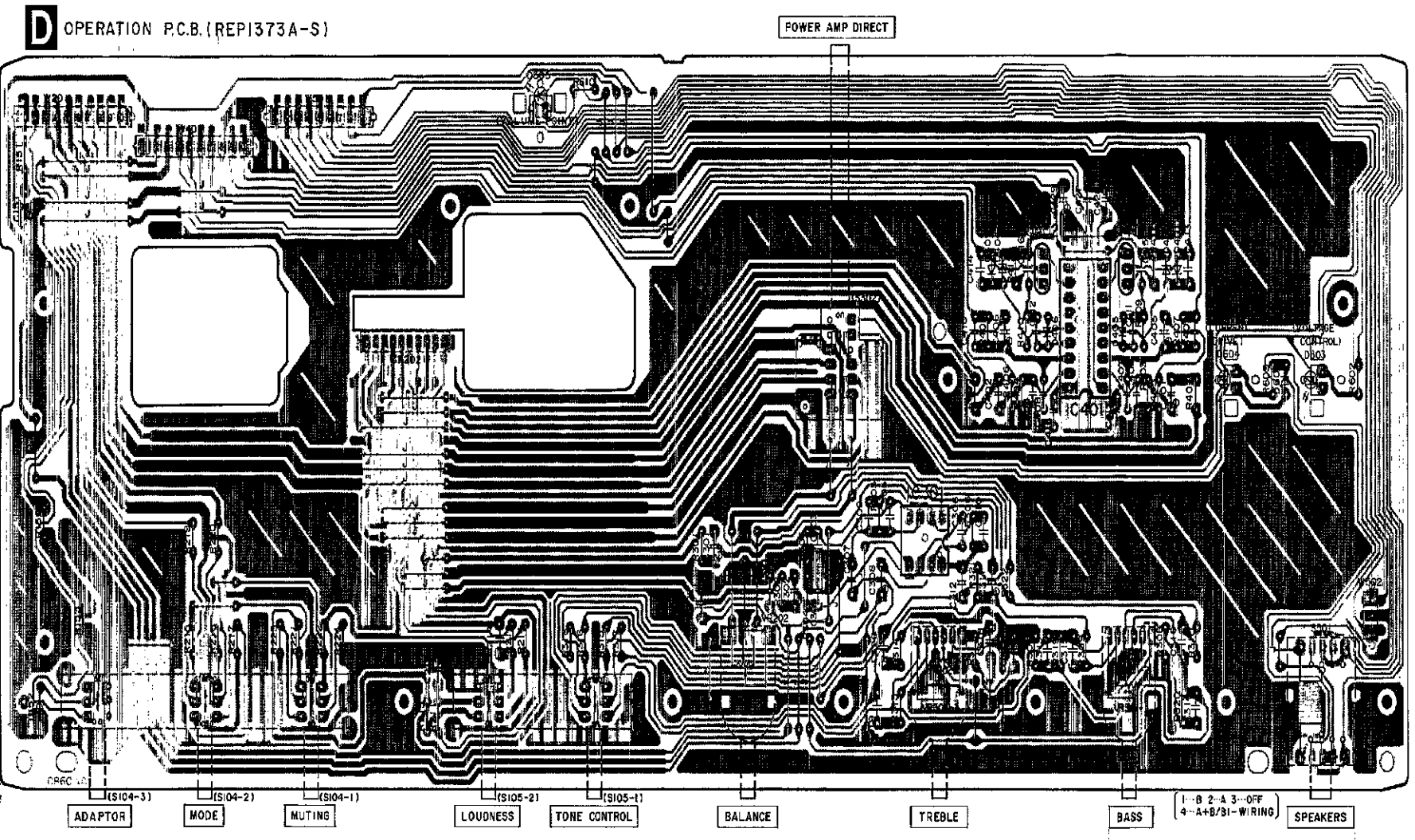
Caution! IC and LSI are sensitive to static electricity. Secondary trouble can be prevented by taking care during repair. Cover the parts boxes made of plastics with aluminum foil. Ground the soldering iron. Put a conductive mat on the work table. Do not touch the legs of IC or LSI with the fingers directly.

Terminal guide of IC's, transistors and diodes

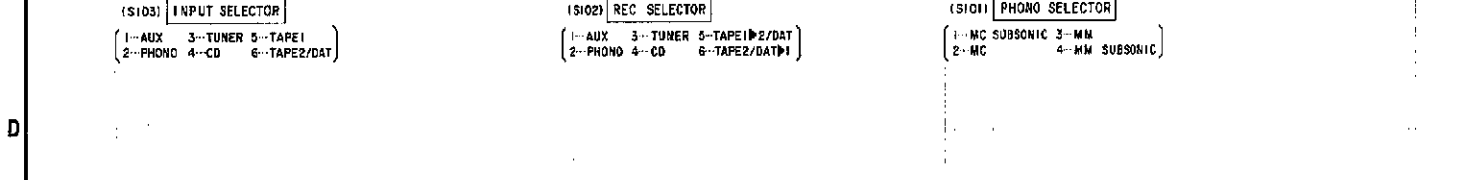
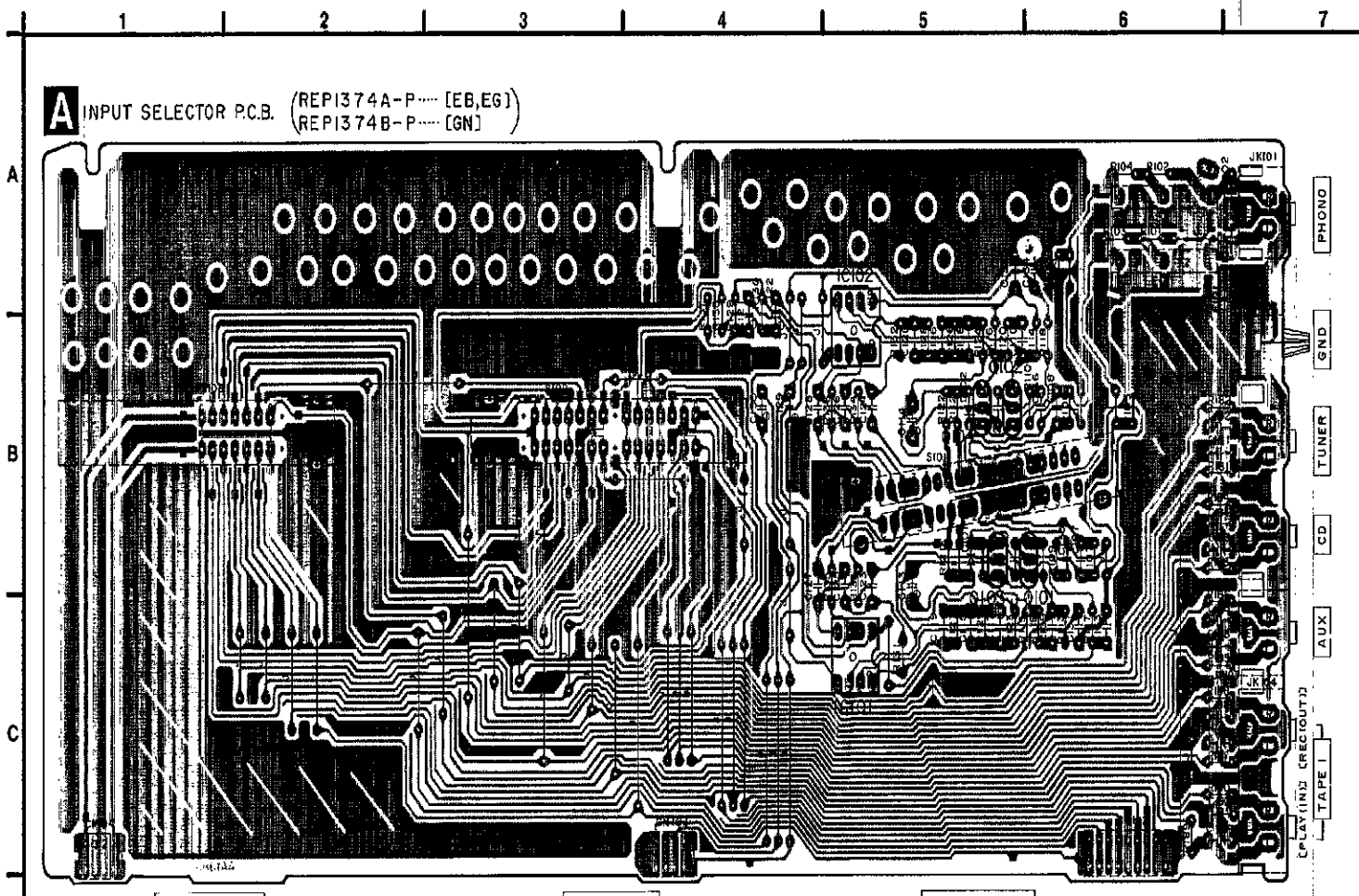
M5218AP 	M5219P 	AN7073
UPC4570C 8 Pin AN7062N 18 Pin 		2SA1265R 2SC3182R
2SA1309AQSTA 2SB1036RSTTA 2SC3311AQSTA 		2SK369GR
2SA992EFPTA 2SA1123RSTTA 2SC1815BGL 2SC2631RSTTA 		2SA1535AQRS 2SC3944AQRS 2SD1761EF
2SK20130Y 2SJ130Y 	1SR35200TB MA165TA MA167TA MA167ATA MA185TA MA29WATA 	
MA4100MTA MA4120MTA MA4180MTA MA4180MTA MA4240MTA 	MA4030MTA MA4036MTA 	
SVDS10VB20F 	LN014304P LN018304P 	



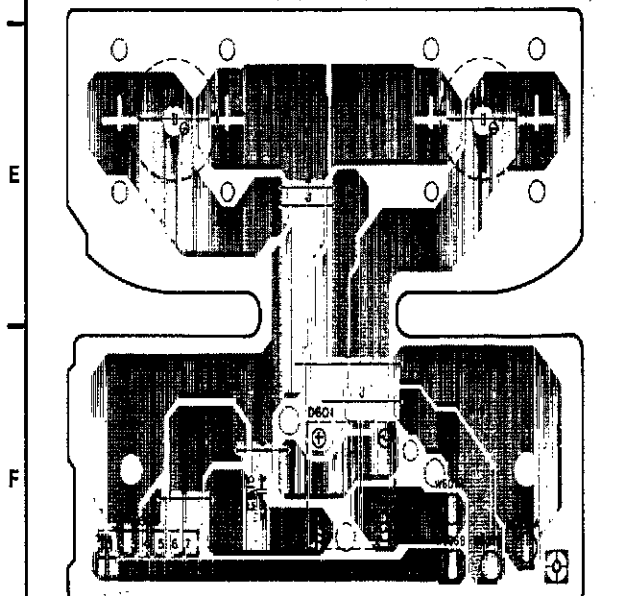
This circuit board diagram may be modified at any time with the development of new technology.



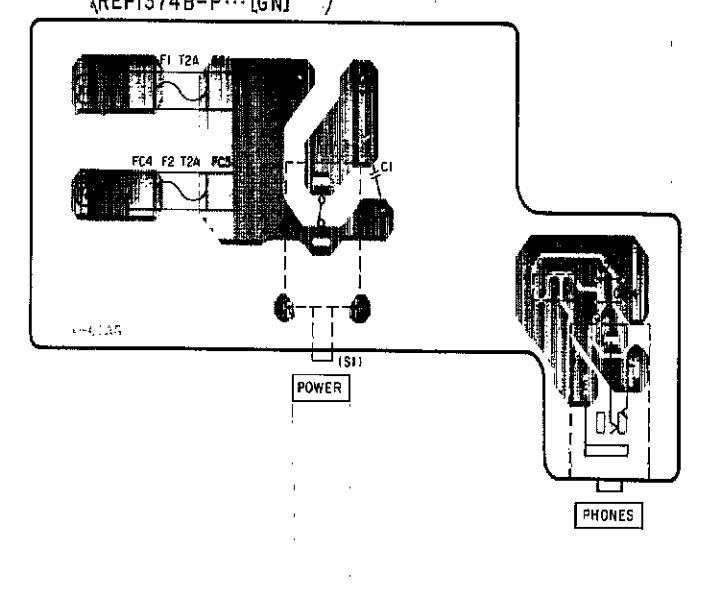
PRINTED CIRCUIT BOARDS (Parts list on pages 23-26.)



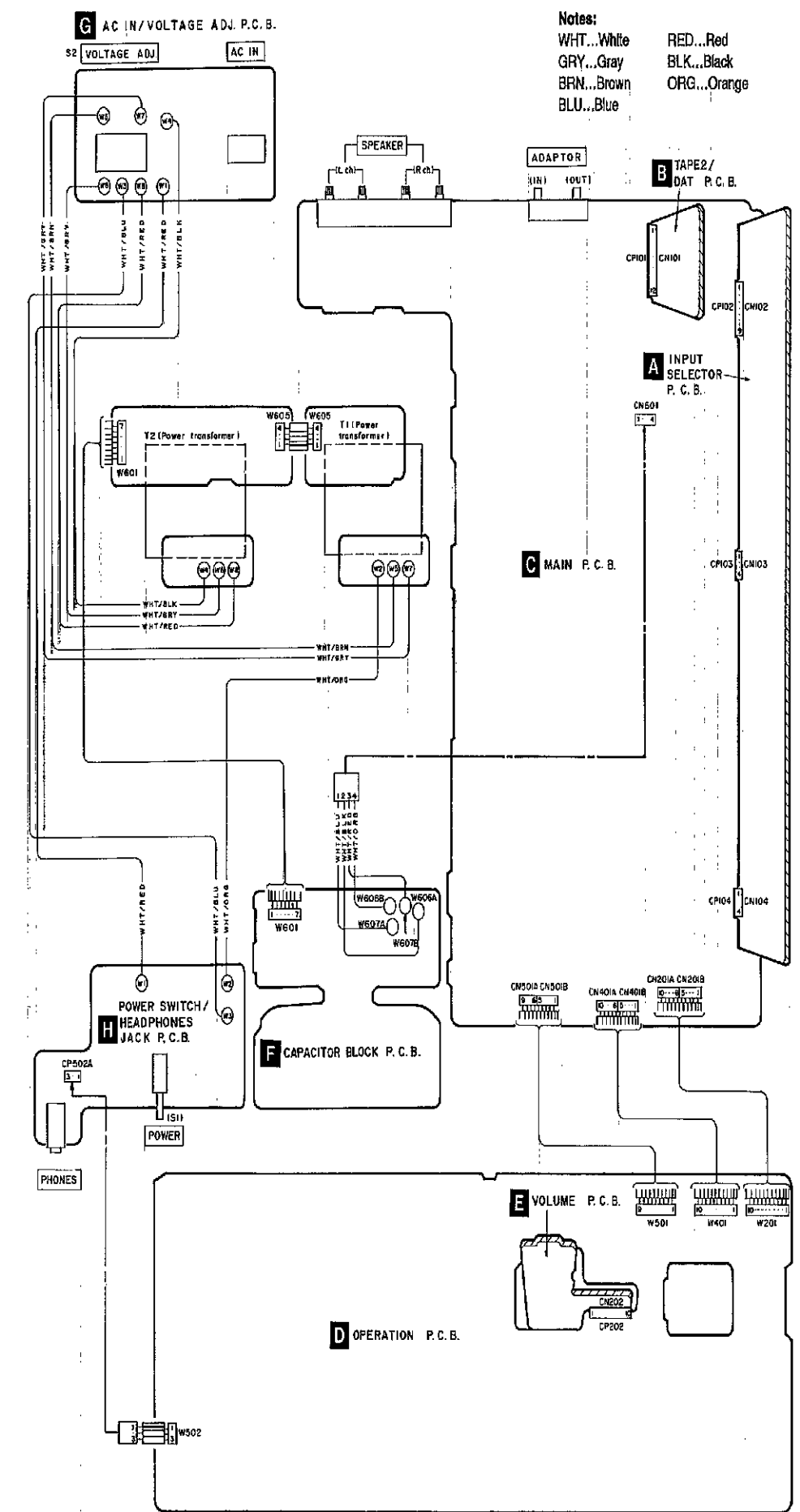
F CAPACITOR BLOCK P.C.B. (REP1374A-P... [EB,EG] REP1374B-P... [GN])



H POWER SWITCH/HEADPHONES JACK P.C.B. (REP1374A-P... [EB,EG] REP1374B-P... [GN])



WIRING CONNECTION DIAGRAM



Notes: WHT...White GRY...Gray BRN...Brown BLU...Blue RED...Red BLK...Black ORG...Orange

REPLACEMENT PARTS LIST

Notes: *Important safety notice: Components identified by Δ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors, low-noise resistors), etc. are used.

Table with columns: Ref. No., Part No., Part Name & Description, Remarks. Lists various electronic components such as ICs, transistors, diodes, capacitors, and transformers.

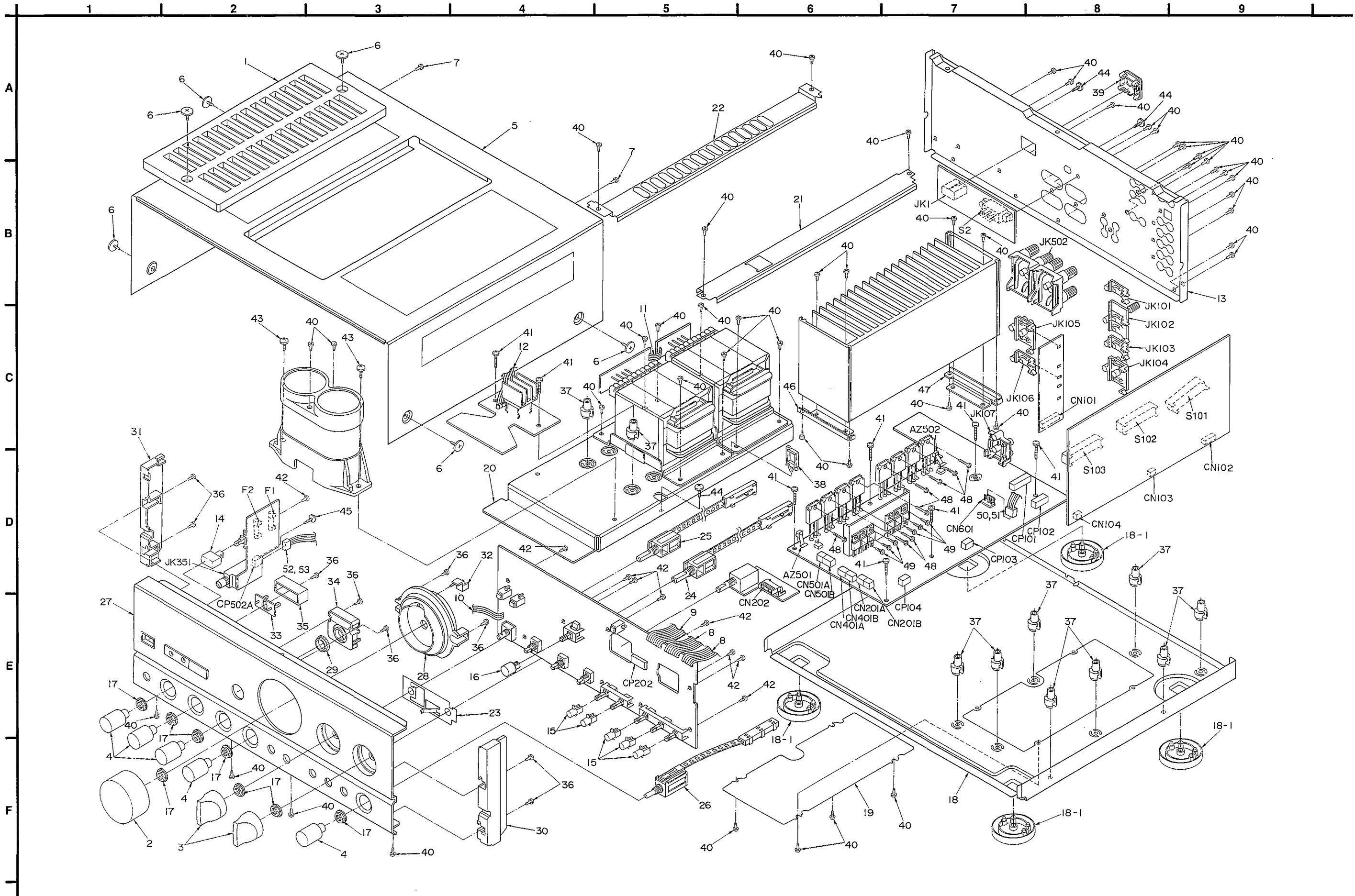
Table with columns: Ref. No., Part No., Part Name & Description, Remarks. Lists various connectors, sockets, and mechanical parts like relays and fuses.

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico farads (pF) F=Farads (F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM) , 1M=1,000k(OHM)

Table with 8 columns: Ref. No., Part No., Values & Remarks. Contains resistor data for components R101-104 through R581-582, including values like 1/4W 1K, 1/4W 47K, etc.

Table with 3 columns: Ref. No., Part No., Values & Remarks. Contains capacitor data for components C311-312 through C657-658, including values like 16V 10U, 50V 0.082U, etc.

■ CABINET PARTS LOCATION



Ref. No.	Part No.	Part Name & Description	Remarks	Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS		47	RMQ0240	ANGLE	
				48	SNE2117-1	SCREW	
				49	XTB3+8JFZ	SCREW	
1	RGK0397-K	UPPER PLATE		50	RJSA3404	SOCKET (4P)	
2	RGW0122-K	VOLUME KNOB		51	RJT053	TERMINAL	
3	RGW0123-K	REC. /INPUT KNOB		52	SJS5331	SOCKET (3P)	
4	RGW0150-K	TONE/PHONO/S. P. SELECT KNOB		53	SJT783	TERMINAL	
5	RK00172-K	CABINET					
6	SNE2129-3	SCREW				PACKING MATERIALS	
7	XTBS3+8JFZ1	SCREW					
8	RWJ3910170QQ	FLAT CABLE (10P) (W201, W401)		P1	RPG1213	PACKING CASE	
9	RWJ3909170QQ	FLAT CABLE (9P) (W501)		P2	RPNO511-1	PAD	
10	RWJ3903070XQ	FLAT CABLE (3P) (W502)		P3	SPH223	PROTECTION SHEET (A)	
11	RWJ3904050KK	FLAT CABLE (4P) (W605)		P4	SPH6434	PROTECTION SHEET (B)	
12	RWJ3907150QQ	FLAT CABLE (7P) (W601)		P5	RPQ0164	ACCESSORIES BOX	
13	RGR0124B-AA	REAR PANEL	(EG)	P6	XZB24X34C04	PROTECTION COVER (ACCESSORY)	
13	RGR0124B-BA	REAR PANEL	(EB, GN)				
14	RGJ0030	POWER BUTTON				ACCESSORIES	
15	RGU0609-K	LOUDNESS/MUTING/MODE BUTTON					
16	RGU0611-K	DIRECT BUTTON		A1	RFKSUVX820EG	INSTRUCTIONS MANUAL	(EG)
17	RHN90001	NUT		A1	RQT1486-B	INSTRUCTIONS MANUAL	(EB, GN)
18	RFKJUVX800EX	BOTTOM BOARD ASS'Y		A2	RQAD013	WARRANTY CARD	(EG, EB)
18-1	RKA0009-1	FOOT		A2	RQX7433ZA	WARRANTY CARD	(GN)
19	RKL0036	BOTTOM PLATE		A3	RQCB0169	SERVICE CENTER LIST	
20	RMA0476-2	ANGLE		A4	RJA0019-1K	AC POWER SUPPLY CORD	△ (EG)
21	RMA0584	SIDE ANGLE		A4	SJA193	AC POWER SUPPLY CORD	△ (EB)
22	RMA0585	CENTER ANGLE		A4	SJA173	AC POWER SUPPLY CORD	△ (GN)
23	RMQ0255-1	PLATE					
24	RSQ0019	REMOTE SWITCH (INPUT)					
25	RSQ0020	REMOTE SWITCH (REC. SEL.)					
26	RSQ0021	REMOTE SWITCH (PHONO)					
27	RFKJUVX920EG	FRONT PANEL ASS'Y					
28	RGK0393-K	VOLUME ORNAMENT					
29	RGK0394-A	RING					
30	RGK0398-K	SIDE ORNAMENT (R)					
31	RGK0399-K	SIDE ORNAMENT (L)					
32	RGL0136-C1	ORNAMENT					
33	RGL0164-C	ORNAMENT					
34	RMR0460-K	HOLDER					
35	RMR0461-K	HOLDER					
36	XTBS26+8J	SCREW					
37	SHE187-2	P. C. B. SPACER					
38	SHR9814	CLUMPER					
39	SJS9231A	AC INLET COVER	(EG, EB)				
39	SJS9234A	AC INLET COVER	(GN)				
40	XTBS3+8JFZ1	SCREW					
41	XTB3+20JFZ	SCREW					
42	XTBS26+8J	SCREW					
43	XTB4+10FFZ	SCREW					
44	XTB4+8FFZ	SCREW					
45	XTWS3-8T	SCREW					
46	RMQ0239	ANGLE					

PACKAGING

1049

